

Web Technology Laboratory

Term Assessment-II

Practical Problem Statement List

1. Write a PHP script to take number from user and print the table of that number.

CODE:--

```
<html>
<head>
<title>print table</title>
</head>
<body>
<form method="POST">
enter a number<input type="text" name="no"/><br>
<input type="submit" name="table" value="table"/>
</form>
<?php
if(isset($_POST['table'])){
$no = $_POST["no"];
for($x =1;$x<=10;$x++)
{
$res = $no * $x;
echo"$no * $x = $res";
echo'<br>';
}
}
?>
</body>
</html>
```

2. Write a program to check student grade based on the marks using if-else statement.

Conditions:

- i. If marks are 60% or more, grade will be First Division.
- ii. If marks between 45% to 59%, grade will be Second Division.
- iii. If marks between 33% to 44%, grade will be Third Division.
- iv. If marks are less than 33%, student will be Fail.

CODE:--

```
<html>
<body>
<h1> marks</h1>
<?php
$marks = 80;
if($marks>60 && $marks <100)
{
$grade = 'first division';
}
else if($marks >45 && $grade<60)
{
$grade = 'second division';
}
else if($marks >33 && $grade<45)
{
$grade = 'third division';
}
```

Web Technology Laboratory
Term Assessment-II
Practical Problem Statement List

```
else
{
$grade = "fail";
}
echo "grade is $grade";
?>
</body>
</html>
```

3. Write a program to show day of the week (for example: Monday) based on numbers using switch/case statements.

Conditions:

- i. You can pass 1 to 7 number in switch
- ii. Day 1 will be considered as Monday
- iii. If number is not between 1 to 7, show invalid number in default

CODE:--

```
<html>
<body>
<h1> week days</h1>
<?php
$day ="5";
switch($day){
case "1" :
echo "it is monday";
break;
case "2" :
echo "it is tuesday";
break;
case "3" :
echo "it is wednesday";
break;
case "4" :
echo "it is thur";
break;
case "5" :
echo "it is friday";
break;
case "6" :
echo "it is saturday";
break;
case "7" :
echo "it is sunday";
break;
}
?>
</body>
</html>
```

Practical Problem Statement List

4. Write a PHP program to find factorial of a number using recursive function. Take Input via Prompt function and show output on browser screen

CODE:--

```
<html>
<body>
<form method = "POST">
ENTER A NUM<input type = "text" name = "no"/><br>
<input type = "submit" name = "factorial" value = "factorial"/>
</form>
<?php
if (isset($_POST['factorial']))
{
$no = $_POST["no"];
$factorial = 1;
for ($x=$no;$x>=1; $x--)
{
$factorial = $factorial * $x;
}
}
echo "Factorial of $no s $factorial";
?>
</body>
</html>
```

5. Write a program to calculate Electricity bill in PHP

Conditions:

- i. For first 50 units – Rs. 3.50/unit
- ii. For next 100 units – Rs. 4.00/unit
- iii. For next 100 units – Rs. 5.20/unit
- iv. For units above 250 – Rs. 6.50/unit

CODE:---

```
<head>
<title>Electricity Bill</title>
</head>
<body>
<form method="POST">
Enter amount of units: <input type="number" name="unit"/>
<input type="submit" name="bill" value="BILL"/>
</form>
<?php
if(isset($_POST['bill'])){
$unit = $_POST['unit'];
if($unit<=50){
$ans = $unit * 3.50;
}elseif($unit<=150){
$ans = 50 * 3.50 + ($unit-50) * 4.00;
}elseif($unit<=250){
```

Web Technology Laboratory
Term Assessment-II
Practical Problem Statement List

```
$ans = 50 * 3.50 + 100 * 4.00 + ($unit - 150) * 5.20;
}else{
    $ans = 50 * 3.50 + 100 * 4.00 + 100 * 5.20 + ($unit - 250) * 6.50;
}
echo "Total bill amount is $ans";
}
?>
</body>
</html> <html>
```

6. Write a PHP program to find Square Root of a number using PHP function. Take Input via Textbox and show output on browser screen.

CODE:--

```
<html>
<body>
<h1>square root</h1>
<form method ="POST">
ENTER A NUM <input type = "text" name ="a"/><br>
ENTER A NUM <input type = "text" name ="b"/><br>
<input type ="submit" name ="sqrt" value = "sqrt"/>
</form>
<?php
if(isset($_POST['sqrt']))

$a = $_POST["a"];
$b = $_POST["b"];
$h=sqrt(pow($a,2)+pow($b,2));
echo "Your number is : $a and $b";
echo'<br>';
echo " Your number is : ".$h;

?>
</body>
</html>
```

7. Write a PHP Script with function to check whether a number is prime or not.
Note: A prime number (or a prime) is a natural number greater than 1 that has no positive divisors other than 1 and itself.

CODE:---

```
<html>
<body>
<h1>prime or not</h1>
<form method ="POST">
ENTER A NUM <input type ="text" name ="no"/><br>
<input type = "submit" name ="prime" value = "prime"/>
</form>
<?php
```

Web Technology Laboratory
Term Assessment-II
Practical Problem Statement List

```
if(isset($_POST['prime']))
{
    $no=$_POST["no"];
    for($x=2; $x<$no;$x++)
    {
        if($no%$x ==0)
        {
            echo "not a prime no";
        }
    }
    else
    {
        echo "prime no";
    }
}
?>
</body>
</html>
```

8. Write a PHP function script that checks whether a passed string is a palindrome or not?
(Take Input Through Textbox and Display result on Client Browser screen)

CODE:---

```
<html>
<body>
<form method ="POST">
enter a string<input type ="text" name ="string" /><br>
<input type ="submit" name ="palindrome" value ="palindrome"/>
</form>
<?php
if(isset($_POST['palindrome']))
{
    $num=$_POST['num']
    $reverse = strrev($num);
    if($num == $reverse)
    {
        echo "palindrome";
    }
    else
    {
        echo "not palindrome";
    }
}
?>
</body>
</html>
```

Web Technology Laboratory
Term Assessment-II
Practical Problem Statement List

9. Write a PHP script to :-

- a) transform a string all uppercase letters.
- b) transform a string all lowercase letters.
- c) make a string's first character uppercase.
- d) make a string's first character of all the words uppercase.

CODE:---

```
<?php
//all uppercase letters
print(strtoupper("the quick brown fox jumps over the lazy
dog."))."\n";
//all lowercase letters
print(strtolower("THE QUICK BROWN FOX JUMPS OVER THE LAZY
DOG"))."\n";
// make a string's first character uppercase
print(ucfirst("the quick brown fox jumps over the lazy
dog."))."\n";
// make a string's first character of all the words uppercase
print(ucwords("the quick brown fox jumps over the lazy
dog."))."\n";
?>
```

10. Write a PHP program to compute and return the square root of a given number.

CODE:---

```
<html>
<body>
<form method ="POST">
Enter a number<input type ="text" name ="num"/><br>
<input type ="submit" name = "squareroot" value ="squareroot"/>
</form>
<?php
if(isset($_POST['squareroot']))
{
$num=$_POST["num"];
echo "Your number is : $num";
echo'<br>';
echo "By using sqrt function Your number is : ".sqrt ($num);
}
?>
</body>
</html>
```

11. Write a PHP program to reverse the digits of an integer.

CODE:---

Web Technology Laboratory
Term Assessment-II
Practical Problem Statement List

```
<html>
<body>
<form method = "POST">
enter a num<input type = "text" name = "num"/><br>
<input type = "submit" name = "reverse" value = "reverse"/>
</form>
<?php
if(isset($_POST['reverse']))
{
$num=$_POST["num"];
$revnum=0;
while ($num > 1)
{
$rem = $num % 10;
$revnum = ($revnum * 10) + $rem;
$num = ($num / 10);
}
echo "$revnum";
}
?>
</body>
</html>
```

12. Write a PHP program to check whether a given positive integer is a power of four.

CODE:---

```
<html>
<body>
<form method ="POST">
ENTER A NUMBER<input type ="text" name ="num"/><br>
<input type ="submit" name ="power" value ="power"/>
</form>
<?php
if(isset($_POST['power']))
{
$num = $_POST['num'];
$x = $num;
while ($x % 4 == 0) {
    $x /= 4;
}

if($x == 1)
{
    echo"$num is power of 4";
}
else
{
    echo "$num not power of 4";
}
}

?>
</body>
</html>
```

Web Technology Laboratory

Term Assessment-II

Practical Problem Statement List

13. Write a PHP Function script to accept Temperature from user in Fahrenheit and convert it degree Celsius and Vice Versa with both separate output on browser screen.

CODE:---

```
<html>
<body>
<form method ="POST">
ENTER A NUMBER<input type ="text" name ="c"/><br>
<input type ="submit" name ="degree" value="degree"/>
</form>
<?php
if(isset($_POST['degree']))
{
$c= $_POST['c'];

$f = NULL;

$f = (float)(( $c * 9 / 5) + 32);

echo "$f";
}
?>
</body>
</html>
```

14. Write a PHP Script to Add the following filed in Student Table with database connection:

- i. Roll Number
- ii. Name
- iii. City
- iv. Pin Code

Show the Result on Browser Screen through Display Record button

15. Write a PHP script Add Record in Employee Table with Database connection:

- i. EMP No
- ii. Name
- iii. Department
- iv. Salary

Display Result of Employee having Salary Greater than 50000 Rs per month.

16. Write a PHP script Add Record in Users Table with Database Connection:

- i. User id
- ii. User Name
- iii. Password

Web Technology Laboratory

Term Assessment-II

Practical Problem Statement List

Update the User Password using update option on browser screen and show updated result